

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

Claims 1-2 (canceled).

Claim 3 (currently amended): A sound synthesizer for generating a sound that simulates the sound of an internal combustion engine having a plurality of cylinders, the sound synthesizer comprising:

a memory arranged to store engine sound data corresponding to a plurality of operational states of the engine based on a firing interval of the cylinders; and

an output generator arranged to concurrently output first and second sound signals to a common speaker based on the engine sound data stored in the memory;  
wherein

the output generator controls the first and second sound signals such that the first sound signal has at least one of a first pitch that is variable for each firing interval and a first volume that is variable for each firing interval, and the second sound signal has at least one of a second pitch that is variable for each firing interval independently of the first pitch of the first sound signal and a second volume that is variable for each firing interval independently of the first volume of the first sound signal.

Claim 4 (previously presented): The sound synthesizer according to claim 3, wherein the first pitch and the first volume of the first sound signal are varied at a first rate, and the second pitch and the second volume of the second sound signal are varied at a second rate different from the first rate to cause the sound synthesizer to generate sound having fluctuations in volume, pitch, and tone.